AMENDMENTS TO THE SPECIFICATION

Please replace paragraphs [0073] and [0089] with the following amended paragraphs:

[0073] The aspirator assembly 229 uses impelled ambient air passing through a conduit coupling to create a negative back pressure in the gasification reactor chamber 101 and the gas siphon assembly 225. This negative pressure creates a suction force that draws heavy vapor fuel gas from the gasification reactor chamber 101 into the gas siphon assembly 225. In the preferred embodiment of the present invention, the gas siphon assembly 225 extends into and out of the gasification reactor chamber 101 (See Figures 3B, 3C, 5A, and 6). In the preferred embodiment, a portion of the gas siphon assembly 225 that extends into the gasification reactor chamber 101 is perforated and mounted along the ceiling of the gasification reactor chamber 101. At least a portion of the gas siphon assembly 225 outside of the gasification reactor chamber 101 is insulated. Besides withdrawing heavy vapor fuel gas from the gasification reactor chamber 101, the aspirator assembly 229 also mixes ambient air with the collected heavy vapor fuel gas, thereby creating a mixed gas.

[0089] When needed, ambient air and/or recycled process gas is supplied to the gasification reactor chamber 101. Ambient air may be provided to the gasification reactor chamber 101 through a plurality of process gas inlets 112, as shown in

Figures 3B, 3C, and ~~5A~~ 5B. In the preferred embodiment of the present invention, each wall of the interior chamber 126 has at least one process gas inlet 112, each process gas inlet 112 having a 6 inch diameter. Furthermore, at least two of these process gas inlets 112 are preferably operably connected to a common gas supply manifold 125. In the preferred embodiment, the manifolds 125 are comprised of 8 inch diameter tubing that circumscribes the outside diameter of the gasification reactor chamber 101, the tubing having a first end and a second end, the first end being connected to a variable speed blower that is located outside of the gasification reactor chamber 101, and the second end being completely occluded. Additionally, a damper is preferably operably positioned between the blower and the manifold, the damper being configured to control the introduction of the limited process gas necessary to maintain the gasification cycle and to prevent the inclusion of unwanted ambient air in the interior chamber 126.